Navy Logistics Over-the-Shore (LOTS)

Navy LOTS Mission

- *Navy Logistics Over-the-Shore (LOTS) is a Service employment of Navy LOTS assets to deploy and sustain a force.*

- *Operations allow strategic sealift ships to discharge through inadequate or damaged ports, or over a bare beach.*

- *Watercraft can also be used to operationally reposition units and materials within a theater.*

USNS 1stLT JACK LUMMUS (RO/RO)

1stLT JACK LUMMUS Planned Load

- *Capabilities*
  - *In-stream (ships at anchor) offload of rolling stock (up to 300 PEIs/day**) and TEUs (up to 200 TEUs/day**) (**condition-based)*
  - *720,000 GPD-capable water/fuel transfer system*
  - *Construction/earth moving equipment for initial beach/road improvements*
  - *Expeditionary Camp for use as required*

- *Embarked Systems*
  - *~70,000 GPD Tactical Water Distribution Capability*
  - *~80,000 GPD Tactical Water Production Capability*
  - *3 Causeway Ferries & 1 Warping Tugs (salvage asset)*
  - *1 Navy Utility Boat & 1 LCM-8*
  - *Amphibious Bulk Liquid Transfer System*
  - *Civil Engineer Support Equipment (CESE)*

Amphibious Bulk Liquid Transfer System (ABLTS)

- Bulk liquid delivery system
- 10,000 FT of fuel & water hose from homeport assets
- Installed in less than 12 hours once on station
- 720,000 gallons/day capacity

Improved Navy Lighterage System (INLS)

- Used for discharge of rolling stock and 20' ISO containers (MILVANs)
- Draft: 2-4 ft
- 300-ton load capacity
- 12 knots max speed

SS CAPE MAY (TAKR 5063)

CAPE MAY Planned Load

- *Capabilities*
  - *In-stream (ships at anchor) offload of rolling stock (up to 300 PEIs/day**) and TEUs (up to 200 TEUs/day**) (**condition-based)*
  - *700,000 GPD-capable water/fuel transfer system*
  - *Admin pier for shallow draft vessels*
  - *Construction/earth moving equipment for initial beach/road improvements*
  - *Expeditionary Camp for LOTS/JLOTS forces*

- *Embarked Systems*
  - *4 Improved Navy Lighterage System (INLS) Causeway Ferries*
  - *4 Improved Navy Lighterage System (INLS) Warping Tugs (salvage asset)*
  - *1 US Navy Roll-On/Roll-Off Discharge Facility (RRDF)*
  - *1 Navy Lighterage (NL) Floating Causeway Pier*
  - *Amphibious Bulk Liquid Transfer System*
  - *Civil Engineer Support Equipment (CESE)*

SS GOPHER STATE (TACS-4)

GOPHER STATE Planned Load

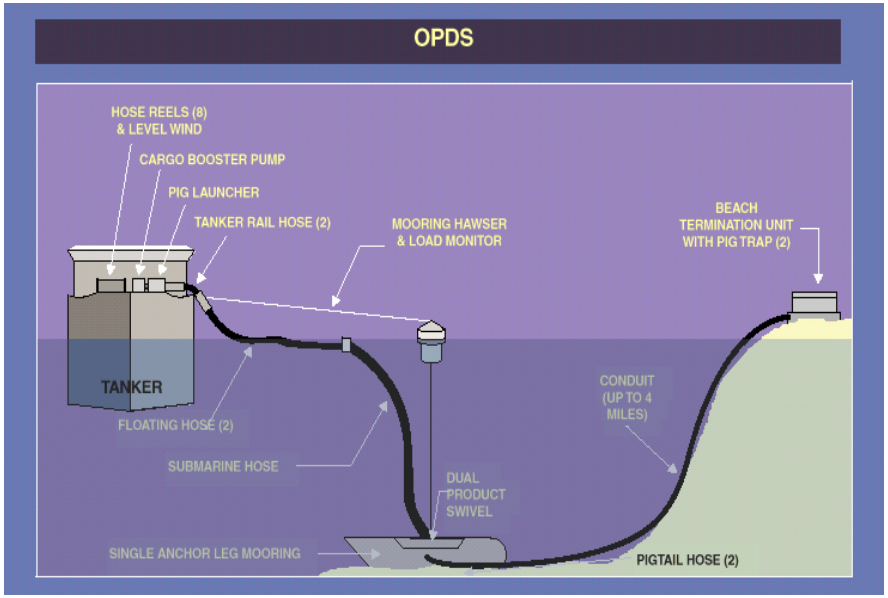
- *Capabilities*
  - *Auxiliary Crane Ship*
  - *In-stream discharge of TEUs (up to 600/day – conditioned based) using DOD's sole expeditionary pier, Elevated Causeway System (Modular) (ELCAS(M))*
  - *Expeditionary camp for LOTS/JLOTS forces*

- *Embarked Systems*
  - *ELCAS(M)*
  - *Supporting 200-ton and 65-ton cranes*
  - *Full service expeditionary camp*
  - *Additional CESE*

ELCAS System

SS PETERSBURG
Offshore Petroleum Discharge Ship (OPDS)

OPDS Capability



- **Deliver 300K gal/day in 48 hrs and 1.2M gal/day after 7 days**
- **Up to 4 NM offshore for single product and 2 NM for dual product**
- **Water depths 35 to 200 feet with a near shore gradient 1:300**
- **Requires Underwater Construction Team support and Army Inland Petroleum Discharge System/Operators**